

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF ADDITIONAL APS PUSHBUTTON STATIONS ON THE WEST LEG, RELOCATING THE EXISTING CROSSWALK 30 FT. SOUTH AND REVISING THE APS DESIGN AT THE INTERSECTION OF MD 202 (LARGO ROAD) AND THE P.G. COMMUNITY COLLEGE ENTRANCE IN PRINCE GEORGE'S COUNTY.

INTERSECTION OPERATION

THE INTERSECTION SHALL CONTINUE TO OPERATE IN A FULLY ACTUATED MODE USING 5 NEMA PHASES.

GENERAL NOTES

- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEEL CHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

SPECIAL NOTES

- THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. BRIAN YOUNG, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: 301-513-7318
MR. KEVIN NOWAK, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (301) 513-7336
MR. WAYNE MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: 301-513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: 301-513-7350
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR USING THE MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

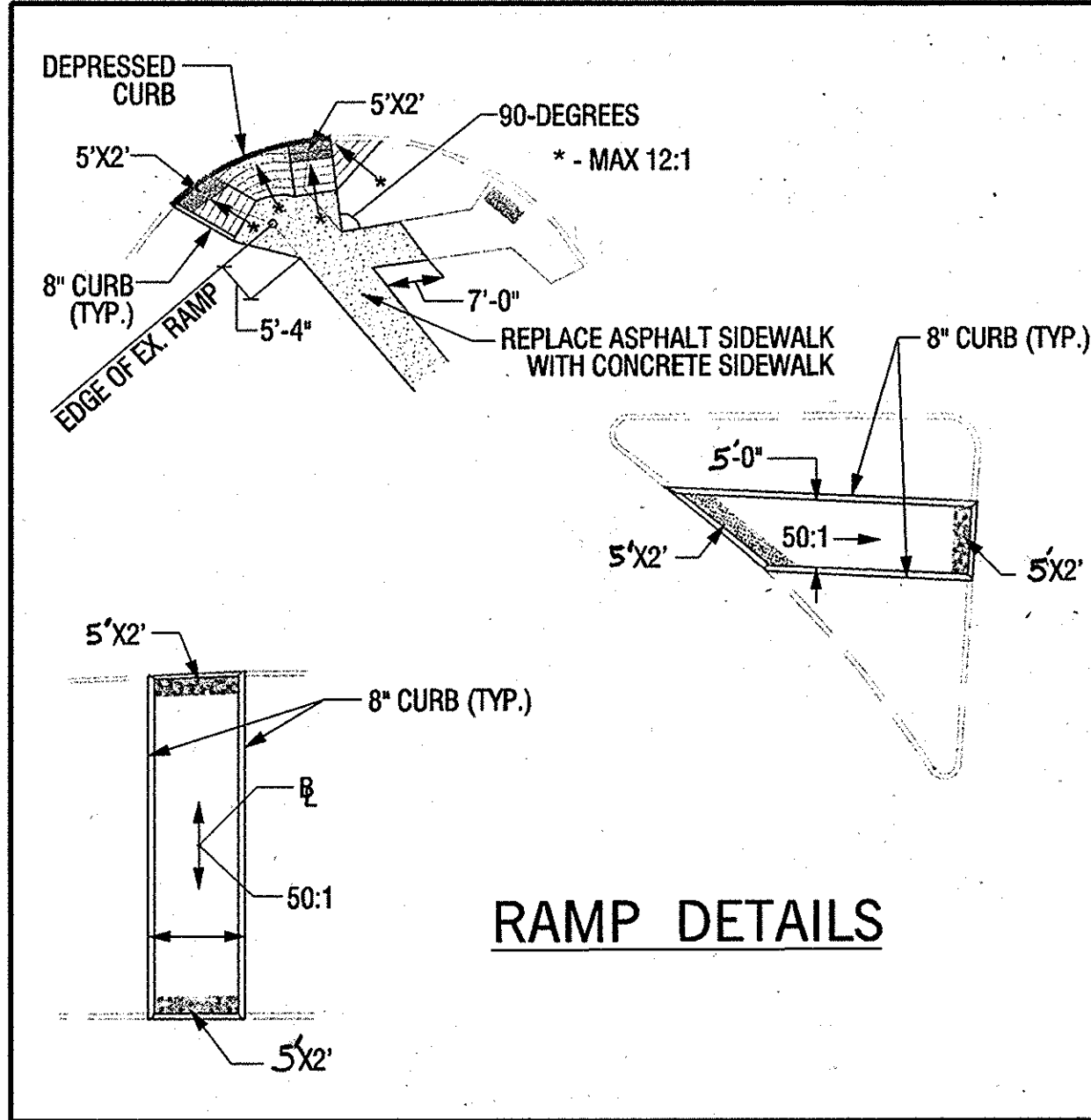
CATEGORY	DESCRIPTION	UNITS	QUANTITY
CODE NO.			
9571	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:	SF	177
	R10-3(1) (9"x15") POLE MOUNT	EA	2
	SIGN TO READ "PUSHBUTTON TO CROSS LARGO ROAD"	EA	2
	R10-3(1) (9"x15") POLE MOUNT	EA	2
	SIGN TO READ "PUSHBUTTON TO CROSS COMM. COLLEGE ENT."	EA	1
	D-3(2) (VARIABLE x16") MAST ARM MOUNT	EA	1
	SIGN TO READ "LARGO ROAD"	EA	11
	S1-1 (36"x36") GROUND MOUNT	EA	12
	W16-7(L AND R) (21"x15") (FYG) GROUND MOUNT	EA	1
	SHIELD ASSEMBLY (30"x51")	EA	1
	SHIELD ASSEMBLY (48"x75")	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM	DESCRIPTION	UNITS	QUANTITY
CODE NO.			
2002	TEST PIT EXCAVATION	CY	3
5002	12 INCH WHITE LEAD FREE REFLECTIVE THERMO. PAVEMENT MARKING	LF	950
5003	24 INCH WHITE LEAD FREE REFLECTIVE THERMO. PAVEMENT MARKING	LF	80
8028	DETECTABLE WARNING SURFACE FOR CURB RAMPS	SF	80
1002	REMOVAL OF EXISTING PAVEMENT MARKINGS - ANY WIDTH	LF	1000
6002	5 INCH CONCRETE SIDEWALK	SF	650
8052	RELOCATE EXISTING SIGNAL HEAD	EA	4
8010	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION	EA	6
8003	2-WIRE CENTRAL CONTROL UNIT	EA	1
8046	INSTALL OVERHEAD SIGN	SF	16
8045	INSTALL GROUND MOUNTED SIGN	SF	2
8044	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
8011	BREAKAWAY PEDESTAL POLE (ANY SIZE)	EA	6
8014	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION	EA	2
8027	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	350
8025	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	150
8031	WOOD SIGN SUPPORTS 4 INCH X 4 INCH	LF	256
8032	WOOD SIGN SUPPORTS 4 INCH X 6 INCH	LF	64
8055	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 A.W.G.)	LF	1350
8057	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)	LF	1500
8033	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	550
1001	MAINTENANCE OF TRAFFIC	LS	1
8009	ADJUST HANDHOLE TO GRADE	EA	1
6001	STD. TYPE A COMBINATION CURB AND GUTTER	LF	240
2001	CLASS 2 EXCAVATION	CY	10
8015	LED SIGNAL HEAD MODULES	EA	33
8016	REMOVE AND DISPOSE OF EQUIPMENT	EA	1
8018	REMOVE FOUNDATION 12 INCH DEPTH	EA	3

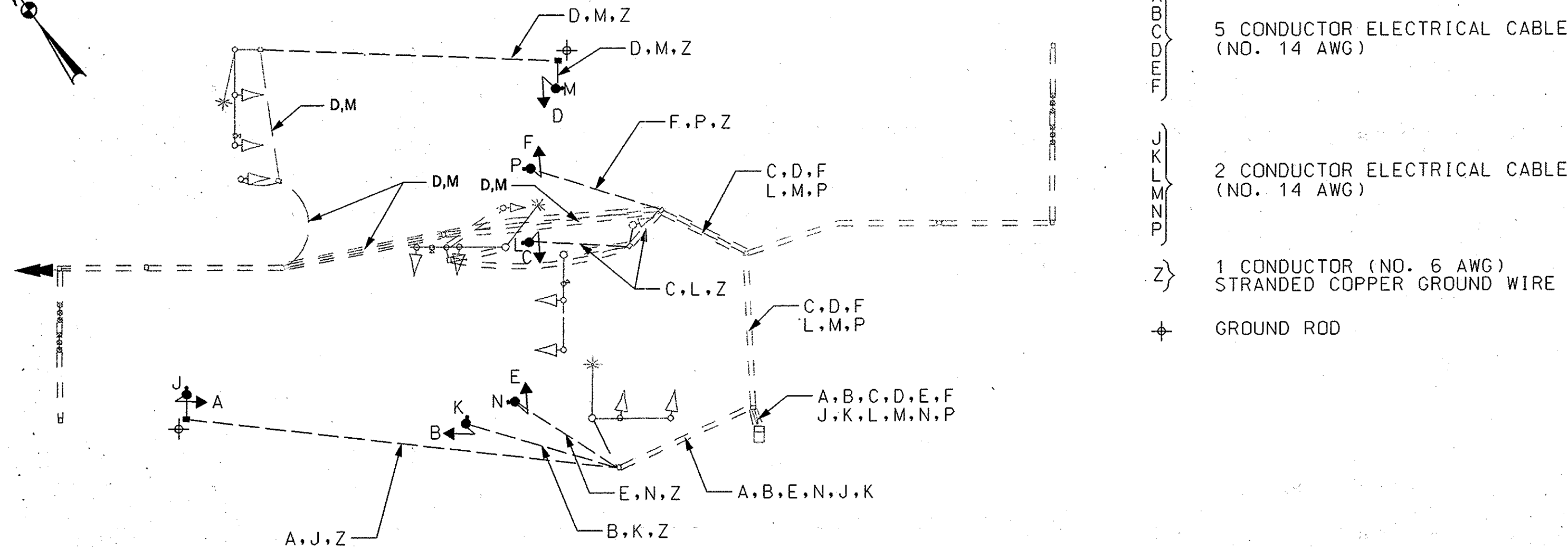
NOTE:
THE CONTRACTOR SHALL DELIVER AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION AND BASE UNIT TO THE SHA SIGNAL SHOP PRIOR TO LOCATION INSTALLATION FOR PROGRAMMING. SHA FORCES SHALL INSTALL AUDIBLE TACTILE PEDESTRIAN PUSH BUTTON BASE UNIT IN THE CABINET.

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

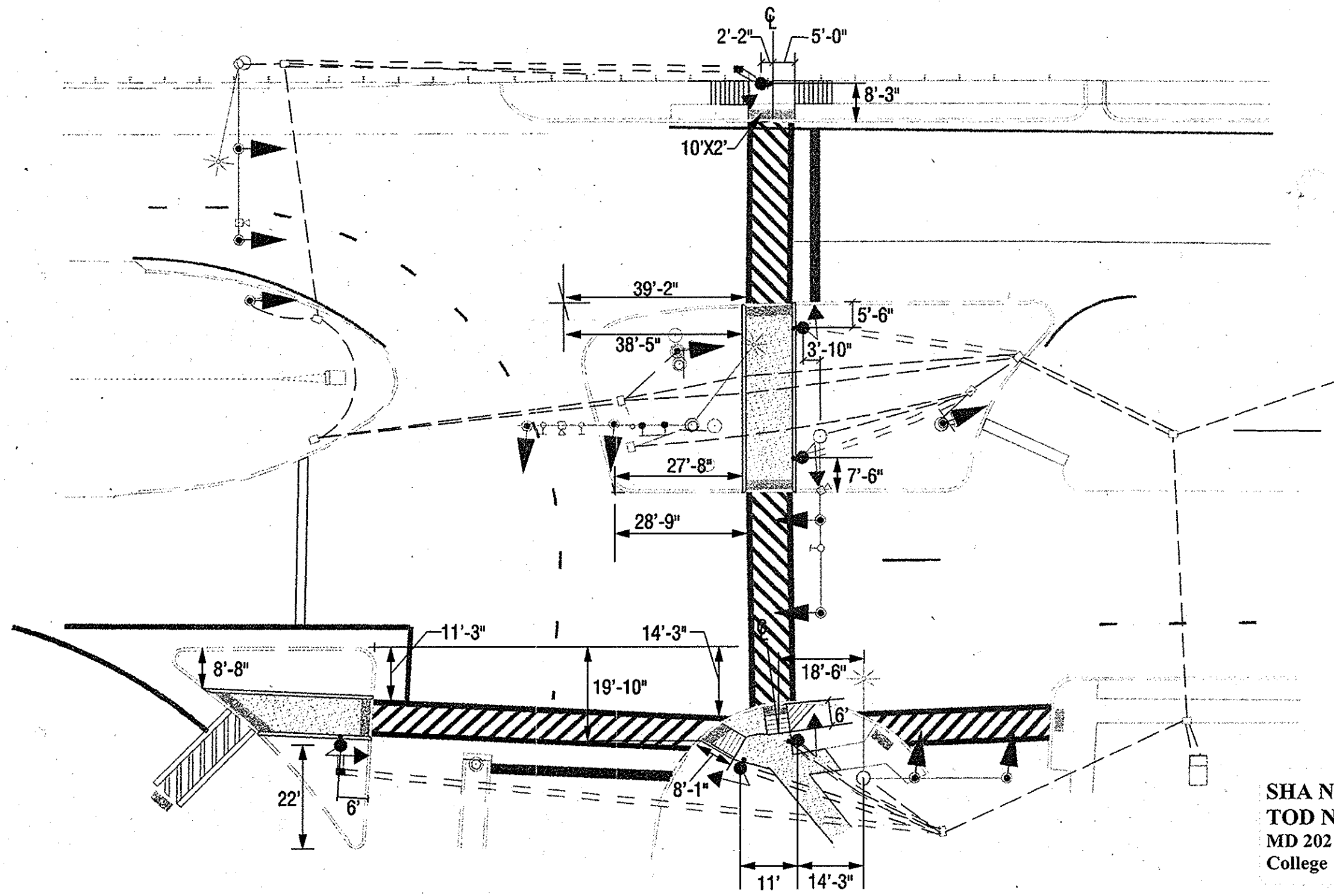


RAMP DETAILS

WIRING DIAGRAM



CROSSWALK, SIGNAL POLE, AND SIDEWALK DIMENSIONS



SHA No: PG556A52/B52
TOD No: XX449-02
MD 202 @ P.G. Community College

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 2 AND 5	+G	+G	+G	G	G	R	R	R	R	G	G	DW	DW	DW	DW	DW	DW
5 CHANGE	+Y	+Y	+Y	G	G	R	R	R	R	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	+R	+R	+R	G	G	G	G	R	R	R	R	WK	WK	DW	DW	DW	DW
PED CLEARANCE	+R	+R	+R	G	G	G	G	R	R	R	R	FL/DW	FL/DW	DW	DW	DW	DW
2 AND 6 CHANGE	+R	+R	+R	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4	+R	+R	+R	R	R	R	R	G	G	R	R	DW	DW	DW	DW	DW	DW
4 CHANGE	+R	+R	+R	R	R	R	R	Y	Y	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	+R	+R	+R	R	R	R	R	G	G	R	R	DW	DW	WK	WK	WK	WK
PED CLEARANCE	+R	+R	+R	R	R	R	R	G	G	R	R	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 ALT CHANGE	+R	+R	+R	R	R	R	R	Y	Y	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 202 (LARGO ROAD) AT
P.G. COMMUNITY COLLEGE ENTRANCE
LARGO, MARYLAND

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 04/02/2008 CONTRACT NO. PG617A52/B52

DESIGNED BY J. PALADUGU COUNTY PRINCE GEORGE'S
DRAWN BY J. PALADUGU LOGMILE 00021006.33
CHECKED BY K. RINIKER T.I.M.S. NO. 1-695
F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. 815F DRAWING PSG OF N001 SHEET NO. 2 OF 2